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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/832,871	04/12/2001	Bok Hyun Pack	LT-003	1380
34610	7590	11/02/2005	EXAMINER	
FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153			LONSBERRY, HUNTER B	
			ART UNIT	PAPER NUMBER
			2611	

DATE MAILED: 11/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/832,871

Applicant(s)

PACK ET AL.

Examiner

Hunter B. Lonsberry

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 10 August 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's arguments filed 8/10/05 have been fully considered but they are not persuasive.

Applicant argues that Ullman fails to teach extracting information identify an item for the received digital broadcast signal, comparing the extracted identifying information of the item with identifying information of other items and storing the extracted identifying information based on the comparison result. The applicant argues that extracting, comparing and storing URLs is different from what is required in claim 1.

Amendment page 7)

Regarding applicant's argument, Ullman teaches:

receiving a digital broadcast signal (MPEG video with URLs stored in a data field, column 4, line 42-column 5, line 13);

extracting information identifying an item from the received digital broadcast signal (column 5, lines 49-56);

comparing the extracted identifying information of the item with identifying information of other items (figure 3, column 7, line 63-column 8, line 15); and

storing the extracted identifying information based on the comparison result (column 8, lines 7-15, 27-40, newly received URLs are compared to a list of previously received URLs, if the URL is new, it is extracted and added to the URL list in the control panel).

Dictionary.com <http://dictionary.reference.com/search?q=item> defines an item as:

*A single article or unit in a collection, enumeration, or series.*

With regards to Ullman, the information identifying an item being retrieved, compared and stored in this case are URLs (a URL identifies an item, in this case a webpage), as there are multiple articles transmitted to the user. Therefore, the broadest possible reasonable interpretation of the term item, includes the URL. As Ullman does in fact teach, the receiving, extracting, comparing, and storing steps, Ullman does teach every aspect of independent claim 1.

Applicant argues that Ullman fails to disclose a decoder that decodes and separates video data for display on a display device and first information for selectable items in the video data, and a controller coupled to the decoder and the frame composer, wherein the controller displays the first information concurrently with the video data according to user commands. Applicant argues that the cited portions of Ullman do not teach these steps (pages 7-8).

Regarding applicants argument, Ullman discloses:

a broadcast signal receiver 16 receiving a broadcast signal;

The first information (URLs) is stored within the vertical blanking interval of the video signal (column 5, lines 52-55)

a decoder 12 linked to the broadcast signal receiver that decodes and separates at least video data for display on a display device and first information for selectable items in the video data (column 5, lines 49-57);

frame composer (PC 16 which runs JAVA enabled browser 98 that displays the webpages associated with the URLs, column 7, lines 35-42) coupled to the display device to provide the first information to the display device; and

the first information is displayed concurrently with the video data according to user commands (column 8, lines 16-51).

Ullman inherently makes use of a controller coupled to the decoder and frame composer, as Ullman discloses that the PC 16 is coupled to a display 18, wintv card, and decoder 12, and a controller is required in order to pass data between all of these devices for display on display 18.

As Ullman discloses separating the first information from the video signal (URLs from VBI of the video signal), a WinTV card, for displaying the video signal, and a frame composer (web browser which displays the webpages simultaneously) via a controller (PC16) according to a user command, Ullman does in fact teach every element of independent claim 11.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-14 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent 6,018,768 to Ullman.

Regarding claim 1, Ullman discloses a method for obtaining supplementary information on an item in a broadcast signal (figure 1, figure 3, column 8, lines, 16-21, 41-54), comprising:

receiving a digital broadcast signal (MPEG video with URLs stored in a data field, column 4, line 42-column 5, line 13);

extracting information identifying an item from the received digital broadcast signal (column 5, lines 49-56);

comparing the extracted identifying information of the item with identifying information of other items (figure 3, column 7, line 63-column 8, line 15); and

storing the extracted identifying information based on the comparison result (column 8, lines 7-15, 27-40, newly received URLs are compared to a list of previously received URLs, if the URL is new, it is extracted and added to the URL list in the control panel).

Ullman inherently makes use of storage, as memory is required in order for PC 16 to access, update and maintain the list of URLs in the control panel.

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Regarding claim 2, Ullman discloses that URLs, which provide supplementary information for an item, are extracted from the video signal (column 8, lines 41-49).

Regarding claim 3, Ullman discloses that a user may select a stored URL from a control panel at a time of their choosing (column 8, lines 27-40). The control panel contains a list of previously received URLs that were displayed with a program as well as URLs which include further information on a topic of interest to a user, a user may then go back and retrieve particularly informative or useful webpages.

Regarding claim 4, Ullman discloses that the webpages associated with the URLs may be displayed simultaneously with an associated program (column 8, lines 22-27, 41-53).

Regarding claim 5, Ullman discloses that a user may select a stored URL from a control panel at a time of their choosing, and URLs may include web pages not displayed with a program, but provide further information (column 8, lines 27-40).

Regarding claims 6-7, Ullman discloses that a device may extract information related to a currently displayed video program, for example, while a watches a financial program, webpages corresponding to stocks (products) are displayed, if a user utilizes a profile, webpages associated with the user's stocks may also be displayed (column 8, line 41-column 9, line 3). Ullman inherently stores the address information as Ullman

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discloses that the received URLs are displayed in a control panel on PC 16 (column 8, lines 31-40), storage is required in order to maintain a record on a personal computer.

Regarding claim 8, Ullman discloses that the websites associated with the URLs are predetermined (column 6, line 66-column 7, line 11).

Regarding claims 9-10, Ullman discloses that a device may extract information related to a currently displayed video program, for example, while a watches a financial program, webpages corresponding to stocks (products) are displayed, if a user utilizes a profile, webpages associated with the user's stocks may also be displayed (column 8, line 41-column 9, line 3).

Regarding claim 11, Ullman discloses a broadcasting enhancement system (figure 1, column 5, lines 31-57), comprising:

- a broadcast signal receiver 16 receiving a broadcast signal;
- a decoder 12 linked to the broadcast signal receiver that decodes and separates at least video data for display on a display device and first information for selectable items in the video data (column 5, lines 49-57);
- frame composer (PC 16 which runs JAVA enabled browser 98 that displays the webpages associated with the URLs, column 7, lines 35-42) coupled to the display device to provide the first information to the display device; and



the first information is displayed concurrently with the video data according to user commands (column 8, lines 16-51).

Ullman inherently makes use of a controller coupled to the decoder and frame composer, as Ullman discloses that the PC 16 is coupled to a display 18, wintv card, and decoder 12, and a controller is required in order to pass data between all of these devices for display on display 18.

Regarding claim 12, Ullman discloses that a user may select an item for display (column 8, lines 22-40), and that PC 16 access the webpages on Internet 20 via a modem (column 5, lines 46-49).

Regarding claim 13, Ullman discloses that the first information is a URL and the second information is a webpage with supplemental information regarding the program (column 8, lines 41-56). As the webpage includes descriptive information, such as biographical information, music clips, concert schedules, stock information and the like (column 8, lines 46-63) it must contain more information than an address in a URL.

Regarding claim 14, Ullman discloses in figure 3, that a transmitted URL is compared to a list of previously transmitted URLs, if the URL is one, which has not been previously transmitted, it is stored in a list (column 7, line 66-column 8, line 15).

***Claim Rejections - 35 USC § 103***

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,018,768 to Ullman in view of U.S. Patent 5,287,181 to Holman.

Regarding claim 15, Ullman discloses a URL extracting system.

Ullman fails to disclose if the extracted identifying information comprises a product code.

Holman discloses a coupon delivery system in which a user watches television, and coupon messages are simultaneously extracted and displayed, a user may then store the coupon information of interest on a removable card, to redeem at a store (column 6, lines 5-64).

Therefore, it would have been obvious to one skilled in the art at the time of invention to modify Ullman, to utilize the coupon extracting features of Holman, for the advantage of providing discounts of interest to a user.

4. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,018,768 to Ullman in view of U.S. Patent 6,349,410 to Lortz.

Regarding claim 16, Ullman discloses a URL extracting system.

Ullman fails to disclose receiving a signal representative of a web surfing button, and stopping a displayed program based on the received signal and displaying product information based on the received signal.

Lortz discloses a system in which a user receives a URL, in response to a pressing a forward button on a remoter control, display of the current program is stopped, and a web page is loaded which is related to the current video content (column 2, lines 56-column 3, line 27, lines 48-65), thus allowing a user to review web content at a time of their own choosing.

Therefore, it would have been obvious to one skilled in the art at the time of invention to modify Ullman to utilize the remote control button, and stopping of the video features of Lortz, for the advantage of enabling a user to review web content at a time of their own choosing.

The combination of Ullman and Lortz fails to disclose displaying product information.

The examiner takes official notice that displaying product information via the Internet is notoriously well known in the art. For example, a user visits [www.sony.com](http://www.sony.com) to retrieve information on Sony products and to learn more about the features of the products.

Therefore, it would have been obvious to one skilled in the art at the time of invention to modify the combination of Ullman and Lortz to display product information for the advantage of enabling a user to learn more about a product.

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5. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,018,768 to Ullman in view of U.S. Patent 6,553,178 to Abecassis.

Regarding claim 17, Ullman discloses a separate window in which image content is displayed while a user reviews a list of previously received items (URLs), (column 8, lines 22-40).

Ullman fails to disclose displaying a still image in a separate window.

Abecassis discloses a video reception system in which a user's display is paused while a user reviews an incoming message (column 52, line 34-65), thus enabling a user to review the incoming message without missing a portion of their video program.

Therefore, it would have been obvious to one skilled in the art at the time of invention to modify Ullman to utilize the pausing features of Abecassis to display a still image, for the advantage of enabling a user to review an incoming message without missing a portion of their video program.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

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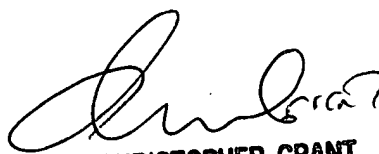
shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hunter B. Lonsberry whose telephone number is 571-272-7298. The examiner can normally be reached on Monday-Friday during normal business hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Grant can be reached on 571-272-7294. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HBL

  
**CHRISTOPHER GRANT**  
**SUPERVISORY PATENT EXAMINER**  
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